Automotive Authority 25861G01

EZGO 25861G01 Accelerator Pedal Box Micro Switch User Manual

Model: 25861G01 | Brand: Automotive Authority

1. Product Overview

The EZGO 25861G01 Accelerator Pedal Box Micro Switch is a critical component designed for golf carts. This micro switch is a small, roller-lever type with two-spade terminals, primarily functioning within the accelerator pedal box assembly. Its main purpose is to detect the position of the accelerator pedal, signaling the golf cart's control system to engage or disengage the motor, thereby controlling vehicle movement.



Image 1.1: The EZGO 25861G01 Accelerator Pedal Box Micro Switch. This image displays the compact black micro switch with its roller-lever actuator and two spade terminals extending from the side.

2. Compatibility

This micro switch is a direct replacement for EZGO OEM part number 25861G01. It is compatible with the following golf cart models:

- **Gas (4 Cycle) Golf Carts:** Models manufactured from 1994 onwards.
- **Electric Golf Carts:** Models manufactured from 1994 onwards, specifically those **without** the Drive Control System (Non-DCS).

Ensure your golf cart's specifications match these requirements for proper fit and function.

3. Installation and Setup

The micro switch is typically located on the driver's side of the golf cart, positioned under the floorboard within the

accelerator pedal box assembly. Installation generally involves replacing the existing micro switch.

Installation Steps (General Guidance):

1. **Safety First:** Disconnect the golf cart's battery before beginning any installation or maintenance to prevent electrical shock or accidental activation.
2. **Locate the Switch:** Access the accelerator pedal box assembly, usually by removing the floor mat or a panel under the driver's side.
3. **Disconnect Wiring:** Carefully disconnect the two spade terminals from the old micro switch. Note their orientation if necessary.
4. **Remove Old Switch:** Unmount the old micro switch from its position. It may be held by screws or clips.
5. **Install New Switch:** Mount the new EZGO 25861G01 micro switch in the same location and secure it.
6. **Reconnect Wiring:** Reconnect the wiring to the two spade terminals on the new switch.
7. **Test Functionality:** Reconnect the battery. Before operating the golf cart, perform a functional test to ensure the switch engages and disengages correctly. Listen for a distinct "click" sound when the pedal is depressed, indicating proper activation.

If you are unsure about any step, it is recommended to consult a qualified golf cart technician or refer to your specific golf cart's service manual.

4. Operation

The EZGO 25861G01 micro switch operates as a normally open (NO) contact type. When the accelerator pedal is depressed, the roller-lever actuator on the switch is engaged, closing the circuit. This action signals the golf cart's controller to initiate power to the motor, allowing the vehicle to move. Releasing the accelerator pedal disengages the switch, opening the circuit and cutting power to the motor, bringing the golf cart to a stop.

5. Maintenance

The EZGO 25861G01 micro switch is designed for durability and typically requires minimal maintenance. However, periodic inspection can help ensure its longevity and reliable operation:

- **Visual Inspection:** Periodically check the switch for any visible signs of wear, corrosion, or damage to the housing, roller-lever, or terminals.
- **Connection Check:** Ensure the spade terminal connections are clean, secure, and free from rust or looseness.
- **Functionality Check:** Listen for the distinct "click" sound when the accelerator pedal is depressed and released. This indicates the internal mechanism is activating correctly.
- **Cleanliness:** Keep the area around the switch free from dirt, debris, and moisture, which can interfere with its operation.

6. Troubleshooting

If your golf cart is experiencing issues related to acceleration or starting, the micro switch may be a contributing factor. Here are common troubleshooting steps:

Common Issue: Golf Cart Does Not Move or Starts Intermittently

- **No Clicking Sound:** When you depress the accelerator pedal, the micro switch should produce an audible "click." If there is no clicking sound, it strongly suggests that the switch is not activating properly, or its internal mechanism is broken. In this scenario, the switch likely needs to be replaced.

- **Intermittent Operation:** If the golf cart sometimes moves and sometimes doesn't, or if it cuts out during operation, the switch contacts may be worn or corroded, leading to an unreliable connection.
- **Visual Damage:** Inspect the switch for any physical damage, such as a bent or broken roller-lever, cracked housing, or corroded terminals.

Before replacing the switch, ensure that the issue is not related to other components like the battery, solenoid, or motor. A multimeter can be used to test the continuity of the switch when activated.

7. Specifications

Specification	Detail
OEM Replacement Part No.	EZGO 25861G01
Operation Mode	Manual
Contact Type	Normally Open (NO)
Connector Type	Spade
Terminal Count	2
Circuit Type	1-way
Mounting Type	Flush-Mounted
Actuator Type	Roller-Lever
Contact Material	Copper
International Protection Rating	IP54
Color	Black
Unit Count	1 Count
Approx. Package Dimensions (L x W x H)	5.9 x 5 x 0.5 inches
Approx. Package Weight	0.02 Kilograms
UPC	701231041649

8. Warranty and Support

For specific warranty information regarding the EZGO 25861G01 Accelerator Pedal Box Micro Switch, please refer to the documentation provided at the time of purchase or contact the seller directly. Warranty terms and conditions may vary.
For technical support or further assistance with installation and troubleshooting, it is recommended to contact the manufacturer, Automotive Authority LLC, or consult a certified golf cart repair professional.

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